kylin广告业务\_嘉年华迁移方案说明书

1. 组件描述：

广告业务分为广告前播片和广告请求数据，统计广告播放相关数据。

会员嘉年华是一个电视端会员活动，持续18天。

1. 迁移步骤：
2. 前置条件：

基础组建kylin；

1. 迁移步骤：

主要是kafka topc的切分以及cube的构建

1. 检查清单：

|  |  |  |
| --- | --- | --- |
| 阶段 | 检测点 | 检测方法 |
| Kafka的topic分流 | 查看打到日志文件正确性 | Json格式化查看是否过滤成功 |
| 查看kafka里日志正确性 | Json格式化查看是否过滤成功 |
| Cube构建 | 查看构建是否成功 | 观察kylin的monitor |
| 查看数据正确性 | 编写测试sql在kylin的insight里查询 |

1. kafka topic切分条件
2. 广告前播片数据

[logType] == "start\_end" and [actionId] == "ad-vod-pre-play"

1. 广告请求数据

if [logType] == "event" and [eventId] == "ad-vod-request"

1. 会员嘉年华

if [logType] == "play" and [playStatus] == "success" and [accountId] != "" and [vipLevel]!= "非会员" and [duration] <= 10800

1. cube构件维度值和度量值
2. 广告前播片数据

streaming table：

{  
 "userId":"a2e13e16c1bb796326b734c99cd3cf29",  
 "logTimestamp":1475988768240,  
 "dateHour":"2016-10-09 12:00:00",  
 "dateMinute":"2016-10-09 12:52:00",  
 "datetime":"2016-09-21 09:32:57",  
 "day":"2016-10-09",  
 "hour":"12",  
 "adAdminId":1,  
 "adProjectId":2,  
 "adCastId":3  
}

模型Dimensions :["USERID","DATEHOUR","DATEMINUTE","DATETIME","DAY","HOUR","ADADMINID","ADPROJECTID","ADCASTID","ADPOSITIONID"]

模型Measures: USERID, DATEHOUR, DATEMINUTE, DATETIME, DAY, HOUR, ADADMINID, ADPROJECTID, ADCASTID, ADPOSITIONID

Cube Dimensions: USERID, DATEHOUR, DATEMINUTE, DATETIME, DAY, HOUR, ADADMINID, ADPROJECTID, ADCASTID, ADPOSITIONID

Cube Measures：USERID\_DISTINCT

1. 广告请求数据

streaming table：

{  
 "userId":"a2e13e16c1bb796326b734c99cd3cf29",  
 "logTimestamp":1475988768240,  
 "dateHour":"2016-10-09 12:00:00",  
 "dateMinute":"2016-10-09 12:52:00",  
 "datetime":"2016-09-21 09:32:57",  
 "day":"2016-10-09",  
 "hour":"12",  
 "adPositionId":"1"  
}

模型Dimensions : ["USERID","DATEHOUR","DATEMINUTE","DATETIME","DAY","HOUR","ADPOSITIONID"]

模型Measures: USERID, DATEHOUR, DATEMINUTE, DATETIME, DAY, HOUR, ADPOSITIONID

Cube Dimensions: USERID, DATEHOUR, DATEMINUTE, DATETIME, DAY, HOUR, ADPOSITIONID

Cube Measures：USERID\_DISTINCT

1. 会员嘉年华

streaming table：

{

"accountId":"11342561",

"logTimestamp":1475988768240,

"datetime":"2016-09-21 09:32:57",

"day":"2016-10-09",

"duration":5925,

"vipLevel":"白金"

}

模型Dimensions ["ACCOUNTID","DATETIME","LOGTIMESTAMP","DAY"]

模型Measures DURATION

Cube Dimensions ACCOUNTID DATETIME DAY

Cube Measures SUM DURATION